

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

CLAIMS

1. (Currently Amended) A wind power plant having a rotor which is rotatably supported with respect to a rotor axis by means of a bearing arrangement ~~(20)~~ and has a rotor blade ~~(12)~~ fixed to a rotor hub ~~(10)~~ and extending therefrom radially outwardly, with respect to the rotor axis, characterized in that said bearing ~~arrangement~~ arrangement ~~(20)~~ comprises a first bearing ring ~~(22, 24)~~ being fixed to a support arrangement ~~(30)~~ in a torque-proof manner and disposed coaxially with respect to said rotor axis, and a second bearing ring ~~(24, 22)~~ being rotatably, with respect to said rotor axis, supported on said first bearing ring ~~(22, 24)~~ and fixed to said rotor hub ~~(10)~~.

2. (Currently Amended) The wind power plant according to claim 1, characterized in that the rotor is coupled to the input of a gear arrangement which can be coupled to a generator ~~(80)~~ at its output end.

3. (Currently Amended) The wind power plant according to claim 1 ~~or 2~~, characterized by a torque transmission arrangement ~~(50, 52)~~ extending radially inwardly with respect to the rotor axis from the second bearing ring ~~(24, 22)~~.

4. (Currently Amended) The wind power plant according to claim 3, characterized in that the torque transmission arrangement (~~50, 52~~) has at least one passage opening (~~50a~~) allowing access to the interior of the rotor hub (~~40~~).

5. (Currently Amended) The wind power plant according to claim 4, characterized in that the torque transmission arrangement (~~50, 52~~) comprises a spoke wheel (~~50~~) fixed to said second bearing ring (~~24, 22~~), said spoke wheel (~~50~~) having two, three or more passage openings (~~50a~~).

6. (Currently Amended) The wind power plant according to claim 1 ~~any of the preceding claims~~, characterized in that the first bearing ring (~~22, 24~~) is the outer ring (~~24~~) or inner ring (~~22~~) of a roller bearing, the inner ring (~~22~~) or outer ring (~~24~~) of said roller bearing being formed by said second bearing ring (~~24, 22~~), respectively.

7. (Currently Amended) The wind power plant according to claim 1 ~~any of the preceding claims~~, characterized in that said support arrangement (~~30~~) is formed as a sandwich structure having an inner support layer (~~32~~) and an outer support layer (~~34~~), said inner and outer layers being defined with respect to said rotor axis, and a filling layer (~~36~~) disposed between said support layers (~~32, 34~~).

8. (Currently Amended) The wind power plant according to claim 7, characterized in that at least one of said support layers (~~32, 34~~) comprises a tubular construction.

9. (Currently Amended) The wind power plant according to claim 7 ~~or 8~~, characterized in that the filling layer ~~(36)~~ comprises at least one spacer ~~(40)~~, a honeycomb structure, polyurethane foam, metallic foam and/or a balsa core.

10. (Currently Amended) The wind power plant according to claim 1 ~~any of the preceding claims~~, characterized in that the first bearing ring ~~(22, 23)~~ is fixed to the support arrangement ~~(30)~~ via a bending resistant front flange ~~(42)~~.

11. (Currently Amended) The wind power plant according to claim 1 ~~any of the preceding claims~~, characterized in that at least one rotor blade ~~(13)~~ is fixed to the rotor hub ~~(10)~~ in a manner so that it can be rotated about its longitudinal axis.

12. (Currently Amended) The wind power plant according to claim 1 ~~any of the preceding claims~~, characterized by a covering element ~~(16)~~ which at least partially surrounds the rotor hub ~~(10)~~.

13. (Currently Amended) The A-bearing arrangement for a wind power plant according to claim 1, ~~any of the preceding claims~~ having a first bearing ring ~~(22, 24)~~ being fixed to a support arrangement ~~(30)~~ in a torque-proof manner and a second bearing ring ~~(24, 22)~~ being rotatably supported on said first bearing ring ~~(22, 24)~~ and fixed to a rotor hub ~~(10)~~ supporting at least one rotor blade ~~(13)~~.

14. (New) A wind power plant having a rotor which is rotatably supported with respect to a rotor axis by means of a bearing arrangement and a rotor blade fixed to a rotor hub and extending therefrom radially outwardly, with respect to the rotor axis, characterized in that said bearing arrangement comprises a first bearing ring being fixed to a support arrangement in a torque-proof manner and disposed coaxially with respect to said rotor axis, and a second bearing ring being rotatably, with respect to said rotor axis, supported on said first bearing ring and fixed to said rotor hub, said wind power plant comprising:

 a torque transmission arrangement extending radially inwardly with respect to the rotor axis from the second bearing ring;

 wherein, due to this bearing arrangement, the weight of the rotor hub as well as operational shearing and tilting moments are substantially absorbed by the first bearing ring, whereas torque is transmitted via said second bearing ring and said torque transmission arrangement.

15. (New) The wind power plant according to claim 14, wherein said torque transmission arrangement comprises at least one passage opening allowing access to an interior of said rotor hub.

16. (New) The wind power plant according to claim 14, wherein said torque transmission arrangement comprises a spoke wheel fixed to said second bearing ring, said spoke wheel having one or more passage openings.

17. (New) A wind power plant having a rotor rotatably supported with respect to a rotor axis by means of a bearing arrangement and a rotor blade fixed to a rotor hub and extending therefrom radially outwardly, with respect to the rotor axis, said wind power plant comprising:

 a bearing arrangement comprising a first bearing ring fixed to a support arrangement in a torque-proof manner and disposed coaxially with respect to said rotor axis, and a second bearing ring rotatably supported on said first bearing ring and fixed to said rotor hub;

 wherein, said first bearing ring is configured to substantially rotate against said second bearing ring.

18. (New) The wind power plant according to claim 17, further comprising:

 a torque transmission arrangement extending radially inwardly with respect to the rotor axis from the second bearing ring;

 wherein, due to this bearing arrangement, the weight of the rotor hub as well as operational shearing and tilting moments are substantially absorbed by the first bearing ring, whereas torque is transmitted via said second bearing ring and said torque transmission arrangement.

19. (New) The wind power plant according to claim 18, wherein said torque transmission arrangement comprises at least one passage opening allowing access to an interior of said rotor hub.

20. (New) The wind power plant according to claim 18, wherein said torque transmission arrangement comprises a spoke wheel fixed to said second bearing ring, said spoke wheel having one or more passage openings.